Claims

What is claimed is:

1.   A system for facilitating interactions between a first entity and a second entity, where the entities have a mismatched data type, the system comprising:

a data type identifier adapted to identify whether the first entity and the second entity have a mismatched resolvable data type; and

a data type resolver adapted to resolve interactions between the first entity and the second entity by resolving the mismatched data type.

2.   The system of claim 1, where the first entity is a client and the second entity is a server.

3.   The system of claim 1, where the features comprise at least one of data and behavior.

4.   The system of claim 1, where the metadata facilitates identifying the one or more attributes and the one or more methods in the resolvable data type.

5.   The system of claim 4 where the data type resolver comprises:

a metadata reader adapted to read metadata associated with a resolvable data type;

an attribute identifying subsystem operably connected to the metadata reader, the attribute identifying subsystem operable to identify an attribute associated with a resolvable data type;

an attribute populating subsystem operably connected to the attribute identifying subsystem, the attribute populating subsystem operable to establish a value in the attribute;

a method identifying subsystem operably connected to the metadata reader, the method identifying subsystem operable to identify a method associated with a resolvable data type; and

a method populating subsystem operably connected to the method identifying subsystem, the method populating subsystem operable to establish a link to the method.

6.   The system of claim 1, where a resolvable data type is associated with a proxy and where the resolvable data type is adapted to be incrementally extensible.

7.   The system of claim 6, where the resolvable data type is further adapted to be incrementally extensible on an as-needed basis.

8.   A computer readable medium containing computer executable components for a system for facilitating interactions between two or more entities, where the entities have a mismatched data type, the components comprising:

    a data type identifying component adapted to identify whether the first entity and the second entity have a mismatched resolvable data type; and

    a data type resolving component adapted to resolve interactions between the first entity and the second entity by resolving the mismatched data type.

9.   A method for facilitating interactions between a first entity and a second entity, where the entities have a mismatched data type, the method comprising:

    comparing a first data type to a second data type to determine common features between the first data type and the second data type; and

    creating an object of a third data type, where the third data type comprises features common to the first data type and the second data type.

10.   The method of claim 9, where the features comprise at least one of data and behavior.

11.   The method of claim 9, where the first entity is a client and the second entity is a server.

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12. The method of claim 9, where comparing the first data type to the second data type comprises:

   identifying one or more attributes associated with the first data type;

   identifying one or more attributes associated with the second data type; and

   comparing the attributes associated with the first data type to the attributes associated with the second data type.

13. The method of claim 12, where comparing the first data type to the second data type further comprises:

   identifying one or more methods associated with the first data type;

   identifying one or more methods associated with the second data type; and

   comparing the methods associated with the first data type to the methods associated with the second data type.

14. The method of claim 13, where creating the object of the third data type comprises populating one or more attributes with a value from the client.

15. The method of claim 14, where creating the object of the third data type further comprises establishing one or more method links with values from the client.

16. The method of claim 9, where the first data type is associated with a proxy.

17. The method of claim 16, where the first data type is adapted to be incrementally extensible.

18. The method of claim 17, where the first data type is further adapted to be incrementally extensible on an as-needed basis.

19. A computer readable medium containing computer executable instructions for performing a method for facilitating interactions between two or more entities, where the entities have a mismatched data type, the method comprising:

comparing a first data type to a second data type to determine common features between the first data type and the second data type; and

creating an object of a third data type, where the third data type comprises features common to the first data type and the second data type.

20. The computer readable medium of claim 19, where the first data type is associated with a proxy.

21. The computer readable medium of claim 20, where the first data type is adapted to be incrementally extensible.

22. The computer readable medium of claim 21, where the first data type is further adapted to be incrementally extensible on an as-needed basis.

23. A data packet adapted to be transmitted between two or more computer processes, the data packet comprising:

one or more first fields containing information concerning attributes associated with a first data type, where the first data type is adapted to be incrementally extensible on an as-needed basis; and

one or more second fields containing information concerning methods associated with the first data type.

24. The data packet of claim 23 further comprising one or more third fields containing information concerning interfaces associated with the first data type.

25. The data packet of claim 24 further comprising one or more fourth fields containing information concerning one or more data types related to the first data type.

26. A system for facilitating interaction between two or more entities, where the entities have a mismatched data type, the system comprising:

means for determining whether a first object of a first data type has features in common with a second object of a second data type; and

means for producing a third object of a third data type, where the third data type comprises features common to the first data type and the second data type.

27. The system of claim 26, where the first data type is adapted to be incrementally extensible on an as-needed basis.